



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/050,190

DATE: 10/06/2004

TIME: 15:48:33

Input Set : N:\CrF3\RULE60\10050190.raw
 Output Set: N:\CRF4\10062004\J050190.raw

1 <110> APPLICANT: STEM CELL PHARMACEUTICALS, INC.
 2 TWARDZIK, Daniel R.
 3 PERNET, Andre
 4 FELKER, Thomas S.
 5 PASKELL, Stefan
 6 <120> TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND
 7 METHODS OF USE THEREFOR
 8 <130> FILE REFERENCE: STEM1110-2
 9 <140> CURRENT APPLICATION NUMBER: 10/050,190
 10 <141> CURRENT FILING DATE: 2002-01-15
 11 <150> PRIOR APPLICATION NUMBER: US/09/641,587
 12 <151> PRIOR FILING DATE: 2000-08-17
 13 <150> PRIOR APPLICATION NUMBER: US 09/559,248
 14 <151> PRIOR FILING DATE: 2000-04-26
 15 <150> PRIOR APPLICATION NUMBER: US 09/459,813
 16 <151> PRIOR FILING DATE: 1999-12-13
 17 <150> PRIOR APPLICATION NUMBER: US 09/492,935
 18 <151> PRIOR FILING DATE: 2000-01-27
 19 <150> PRIOR APPLICATION NUMBER: US 09/378,567
 20 <151> PRIOR FILING DATE: 1999-08-19
 21 <160> NUMBER OF SEQ ID NOS: 7
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 50
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
 29 Val Val Ser His Phe Asn Asp Cys Pro Asp Ser His Thr Gln Phe Cys
 30 1 5 10 15
 31 Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Asp Lys Pro Ala Cys
 32 20 25 30
 33 Val Cys His Ser Gly Tyr Val Gly Ala Arg Cys Glu His Ala Asp Leu
 34 35 40 45
 35 Leu Ala
 36 50
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 50
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Rattus norvegicus
 42 <400> SEQUENCE: 2
 43 Val Val Ser His Phe Asn Lys Cys Pro Asp Ser His Thr Gln Tyr Cys
 44 1 5 10 15
 45 Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Glu Lys Pro Ala Cys

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Input Set : N:\Crf3\RULE60\10050190.raw
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99 <210> SEQ ID NO: 6
100 <211> LENGTH: 18
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Modified human TGF alpha sequence fragment
105 <220> FEATURE:
106 <221> NAME/KEY: MISC_FEATURE
107 <222> LOCATION: (1)..(18)
108 <223> OTHER INFORMATION: Xaa at residue 1, 5, 7-9, 14, 18 is indep. V, G, or A;
109 Xaa at
110 residue 6 is Y or F; Xaa at residue 10 is R or K; Xaa at residue 12,
111 15 is indep. E or D; Xaa at residue 16 is L or I; Xaa at residue
W--> 112 17 is D or E
113 <400> SEQUENCE: 6
W--> 114 Xaa Cys His Ser Xaa Xaa Xaa Xaa Xaa Cys Xaa His Xaa Xaa Xaa
115 1 5 10 15
116 Xaa Xaa
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 7
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Modified human TGF alpha sequence fragment
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (1)..(7)
127 <223> OTHER INFORMATION: Xaa at residue 1 and 2 is indep. V, G, and A; Xaa at
128 residue 7 is
129 K or D
130 <400> SEQUENCE: 7
W--> 131 Xaa Xaa Ser His Phe Asn Xaa
132 1 5

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/06/2004
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Please Note:

use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
eq#:4; Xaa Pos. 1,5,6,7,8,9,10
eq#:5; Xaa Pos. 1,3,4,5,6,7
eq#:6; Xaa Pos. 1,5,6,7,8,9,10,12,14,15,16,17,18
eq#:7; Xaa Pos. 1,2,7
```

invalid Line Length:

the rules require that a line not exceed 72 characters in length. This includes spaces.

eq#:4; Line(s) 77
eq#:5; Line(s) 92
eq#:6; Line(s) 108

VERIFICATION SUMMARY DATE: 10/06/2004
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Input Set : N:\Crf3\RULE60\10050190.raw
Output Set: N:\CRF4\10062004\J050190.raw

79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
112 M:259 W: Allowed number of lines exceeded, <223> Other Information:
114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
341 Repeated in SeqNo=6
131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0